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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/500,243	10/25/2004	Kiyotaka Uchimoto	4035-0169PUS1	8938

2292 7590 10/05/2006

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EXAMINER

NGUYEN BA, PAUL H

ART UNIT	PAPER NUMBER
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2176

DATE MAILED: 10/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/500,243	UCHIMOTO ET AL.	
	Examiner	Art Unit	
	Paul Nguyen-Ba	2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 June 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) 1-4 and 7-10 is/are rejected.
- 7) ☐ Claim(s) 5,6 and 11-13 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>6/25/2001</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Notice to Applicant

1. This action is responsive to Original Application filed on 6/25/2004.
2. Claims 1-13 are currently pending. Claims 1 and 7 are independent claims.

Priority

3. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Objections

4. Claims 5, 6, and 11-13 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim cannot depend from any other multiple dependent claim. See MPEP § 608.01(n). Accordingly, the claims 5, 6, and 11-13 have not been further treated on the merits.
5. Claim 2 is objected to because of the following informalities: The word "persing" in line 4 of claim 2 should be replaced by the word "parsing". Appropriate correction is required.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. **Claims 1-4 and 7-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Abe et al. ("Abe"), U.S. Patent No. 5,473,705.**

Regarding independent claim 1, Abe discloses:

A text generation method for generation method for generating a text including a sentence (see Title and Abstract: Abe discloses a system and method that recognizes words and supplements omitted words to thereby generated a spoken language),
comprising:

➤ *an input step for inputting at least a word as a keyword* (see Figs. 1, 2; col. 5 lines 9-12: Abe teaches inputting sign data keywords),

➤ *an extracting step for extracting, from a database, a text or a phrase related to the keyword* (see col. 5 lines 13-18 and Figs. 4 and 5: Dependence relationships are analyzed and extracted using the analysis table, word dictionary, analysis stack area, and case dictionary), *and*

➤ *a text generation step for generating an optimum text based on the input keyword by combining the extracted text or phrase* (see col. 5 lines 19-26

and Fig. 6: The optimum estimated omitted words supplement the keywords to generate a complete sentence.

Regarding claim 2, Abe discloses an arrangement where the text is extracted in the extracting step, morphological analyzing and parsing the extracted text in the text generation step, acquiring a dependency structure of the text, and generating a dependency structure containing the keyword (see Figs 4 and 5; col. 5 lines 13-18 and col. 6 line 64 through col. 8 line 18: Dependence relationships are analyzed and extracted using the analysis table, word dictionary, analysis stack area, and case dictionary).

Regarding claim 3, Abe discloses in the course of generating the dependency structure containing the keyword in the text generation step, determining the probability of dependency of the entire text using a dependency model, wherein generating a text having a maximum probability as an optimum text (see col. 7 lines 65-67 *et seq.*: The most probable dependence relationship of a plurality of candidates is the optimum text).

Regarding claim 4, Abe discloses wherein in the middle of or after the generation of the dependency structure in the text generation step, generating an optimum text having a natural word order based on a word order model (see col. 7 line 29 through col. 9 line 11).

Independent claim 7 incorporates substantially similar subject matter as independent claim 1, and is rejected along the same rationale.

Claim 8 incorporates substantially similar subject matter as claim 2, and is rejected along the same rationale.

Claim 9 incorporates substantially similar subject matter as claim 3, and is rejected along the same rationale.

Claim 10 incorporates substantially similar subject matter as claim 4, and is rejected along the same rationale.

Conclusion

8. The prior art made of record on form PT0-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. § 1.111(c) to consider these references fully when responding to this action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul Nguyen-Ba whose telephone number is (571) 272-4094. The examiner can normally be reached on 11 am - 7 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on (571) 272-4136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PNB
10/1/06


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